PASTERNACK®
THE ENGINEER'S RF SOURCE

Handheld RF Analyzer Rugged Phase Stable Cable N Male to N Male Cable Using PE-FF430 Coax, RoHS

RF Cable Assemblies Technical Data Sheet PE3C4005

Configuration

- Connector 1: N Male
- Connector 2: N Male
- Cable Type: PE-FF430

Features

- Excellent VSWR and Insertion Loss
- Excellent Amplitude and Phase Stability with Flexure
- Rugged Armor provides crush and torque resistence
- UV resistant jacket
- Each serialized assembly includes test data
- In stock and ready to ship

Applications

- Field Testing
- Tower Measurements
- Base Station Analyzers
- Handheld Network Analyzers
- Portable Spectrum Analyzers
- Distance-To-Fault Measurements
- Site Maintenance

Description

Pasternack's Handheld RF Analyzer Phase Stable cable assemblies are designed for use with portable and handheld network analyzers, spectrum analyzers and base station analyzers. These rugged portable analyzer cable assemblies offer a unique combination of low loss, phase stability, low VSWR and durability. The tough analyzer cable armor offers crush resistance, torque resistance, water resistance and UV resistance while still maintaining a high level of flexibility. These rugged handheld analyzer cable assemblies are compatible with Fieldfox®, Site Master, CellAdvisor® and Sitehawk® analyzers, supporting site maintenance, field testing, antenna testing and distance-to-fault measurements.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
VSWR			1.3:1	
Phase Stability with Flexure			2	Degrees
Amplitude Stability with Flexure			0.1	dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: Handheld RF Analyzer Rugged Phase Stable Cable N Male to N Male Cable Using PE-FF430 Coax, RoHS PE3C4005

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	9	12	18			GHz
Insertion Loss (Max.)	0.44	0.52	0.68			dB/ft
	1.44	1.71	2.23			dB/m
						dB/m
Power Handling (Max.)	150	114	85			Watts

Electrical Specification Notes:
Values at 25°C, sea level.

Mechanical Specifications

Cable Assembly

Cable

Cable Type	PE-FF430
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Silver
Dielectric Type	PTFE
Number of Shields	6
Shield Layer 1	Silver Plated Copper Tape
Shield Layer 2	Metalized Polymide
Shield Layer 3	Silver Plated Copper Braid
Jacket Material	TPE
Jacket Diameter	0.43 in [10.92 mm]
One Time Minimum Bend Radius	1.5 in [38.1 mm]
Flat Plate Crush	1,200 lbs/in [21.43 Kg/mm]

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Connectors

Description	Connector 1	Connector 2
Type	N Male	N Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		Passivated Stainless Steel
Body Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Coupling Nut Material and Plating	Passivated Stainless Steel	

Mechanical Specification Notes:
*All cable assemblies have a length tolerance of 1.5% or ± 3/8", whichever is greater.
Fieldfox® is a registered trademark of Keysight Technologies
CellAdvisor® is registered trademark Viavi Solutions
SiteHawk® is a registered trademark of Bird Technologies

Environmental Specifications

Temperature

Operating Range	-55 to +105 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:
- Values at 25°C, sea level.

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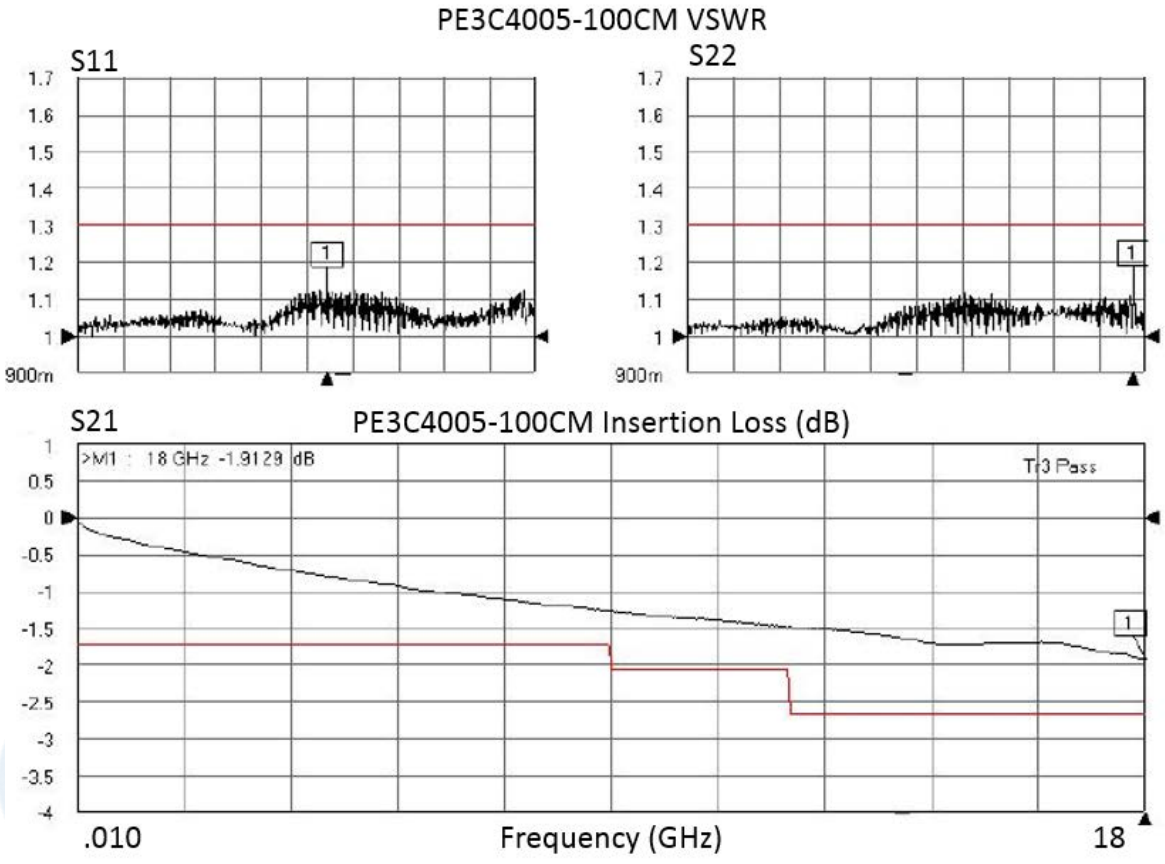
Typical Performance Data



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How to Order

Part Number Configuration: **PE3C4005 - xx uu**

- uu — Unit of Measure: cm = Centimeters, <blank> = Inches
- xx — Length
- PE3C4005 — Base Number

Example: PE3C4005-12 = 12 inches long cable
PE3C4005-100cm = 100 cm long cable

Handheld RF Analyzer Rugged Phase Stable Cable N Male to N Male Cable Using PE-FF430 Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.pasternack.com/n-male-n-male-pe-ff430-cable-assembly-pe3c4005-p.aspx

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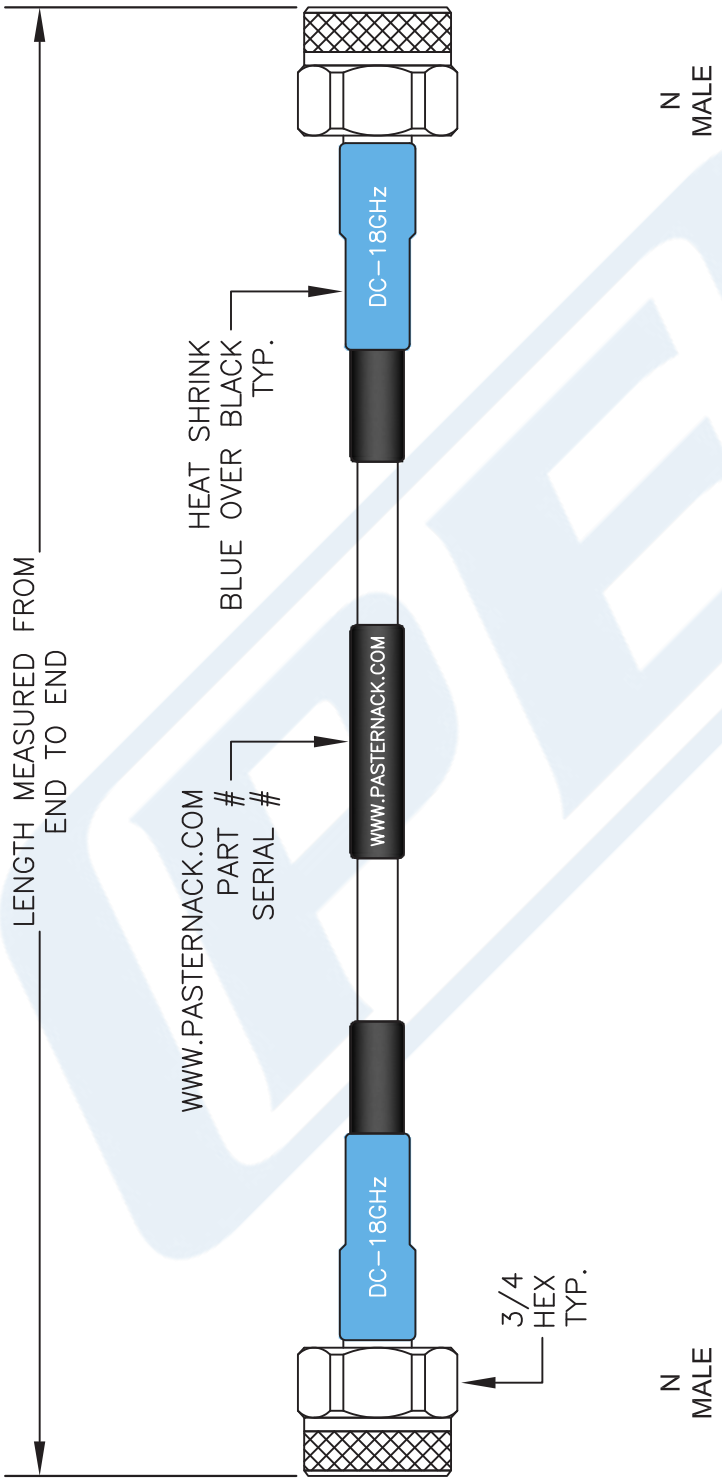
PE3C4005 CAD Drawing

Handheld RF Analyzer Rugged Phase Stable Cable N Male to N Male Cable Using PE-FF430 Coax, RoHS



NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. LENGTH TOLERANCE IS ± 2%

DWG TITLE	CAD FILE	SCALE	SIZE	
PE3C4005	041717	N/A	A	2233
CAGE CODE 53919				

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